GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 10, 2004, 10:22:05 ; Search time 56.9231 Seconds
(without alignments)
625.345 Million cell updates/sec

Title: US-09-880-748-2_COPY_139_249
Perfect score: 585
Sequence: 1 AFSSELTQDPAVSVALGQTV.....RDSSGNHWVFGGGTELTVLG 111

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1335176 seqs, 320689617 residues

Total number of hits satisfying chosen parameters: 1661

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 84%
Maximum Match 100%
Listing first 65000 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	585	100.0	248	10	US-09-880-748-339	Sequence 339, App
2	585	100.0	248	10	US-09-880-748-347	Sequence 347, App
3	585	100.0	248	10	US-09-880-748-354	Sequence 354, App
4	585	100.0	248	10	US-09-880-748-597	Sequence 597, App
5	585	100.0	248	10	US-09-880-748-623	Sequence 623, App
6	585	100.0	248	12	US-10-293-418-339	Sequence 339, App
7	585	100.0	248	12	US-10-293-418-347	Sequence 347, App
8	585	100.0	248	12	US-10-293-418-354	Sequence 354, App
9	585	100.0	248	12	US-10-293-418-597	Sequence 597, App
10	585	100.0	248	12	US-10-293-418-623	Sequence 623, App
11	585	100.0	249	10	US-09-880-748-2	Sequence 2, Appli
12	585	100.0	249	10	US-09-880-748-323	Sequence 323, App
13	585	100.0	249	10	US-09-880-748-324	Sequence 324, App
14	585	100.0	249	10	US-09-880-748-326	Sequence 326, App
15	585	100.0	249	10	US-09-880-748-332	Sequence 332, App
16	585	100.0	249	10	US-09-880-748-333	Sequence 333, App
17	585	100.0	249	10	US-09-880-748-334	Sequence 334, App
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22	585	100.0	249	10	US-09-880-748-343	Sequence 343, App
23	585	100.0	249	10	US-09-880-748-344	Sequence 344, App
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714	584	99.8	248	12	US-10-293-418-453	Sequence 453, App
715	584	99.8	249	10	US-09-880-748-401	Sequence 401, App
716	584	99.8	249	10	US-09-880-748-600	Sequence 600, App
717	584	99.8	249	10	US-09-880-748-676	Sequence 676, App
718	584	99.8	249	10	US-09-880-748-775	Sequence 775, App
719	584	99.8	249	12	US-10-293-418-401	Sequence 401, App
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721	584	99.8	249	12	US-10-293-418-676	Sequence 676, App
722	584	99.8	249	12	US-10-293-418-775	Sequence 775, App
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724	582	99.5	249	10	US-09-880-748-384	Sequence 384, App
725	582	99.5	249	10	US-09-880-748-456	Sequence 456, App
726	582	99.5	249	10	US-09-880-748-471	Sequence 471, App
727	582	99.5	249	10	US-09-880-748-541	Sequence 541, App
728	582	99.5	249	10	US-09-880-748-550	Sequence 550, App
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734	582	99.5	249	10	US-09-880-748-759	Sequence 759, App
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743	582	99.5	249	12	US-10-293-418-628	Sequence 628, App
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745	582	99.5	249	12	US-10-293-418-636	Sequence 636, App
746	582	99.5	249	12	US-10-293-418-759	Sequence 759, App
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749	581	99.3	249	10	US-09-880-748-436	Sequence 436, App
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752	581	99.3	249	10	US-09-880-748-503	Sequence 503, App
753	581	99.3	249	10	US-09-880-748-641	Sequence 641, App
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763	581	99.3	249	12	US-10-293-418-503	Sequence 503, App
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767	581	99.3	249	12	US-10-293-418-734	Sequence 734, App
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777	580	99.1	249	10	US-09-880-748-380	Sequence 380, App
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779	580	99.1	249	10	US-09-880-748-407	Sequence 407, App
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782	580	99.1	249	10	US-09-880-748-434	Sequence 434, App
783	580	99.1	249	10	US-09-880-748-438	Sequence 438, App
784	580	99.1	249	10	US-09-880-748-440	Sequence 440, App
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786	580	99.1	249	10	US-09-880-748-447	Sequence 447, App
787	580	99.1	249	10	US-09-880-748-451	Sequence 451, App
788	580	99.1	249	10	US-09-880-748-460	Sequence 460, App
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797	580	99.1	249	10	US-09-880-748-707	Sequence 707, App
798	580	99.1	249	10	US-09-880-748-732	Sequence 732, App
799	580	99.1	249	10	US-09-880-748-749	Sequence 749, App
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801	580	99.1	249	10	US-09-880-748-756	Sequence 756, App
802	580	99.1	249	10	US-09-880-748-772	Sequence 772, App
803	580	99.1	249	10	US-09-880-748-782	Sequence 782, App
804	580	99.1	249	10	US-09-880-748-788	Sequence 788, App
805	580	99.1	249	10	US-09-880-748-792	Sequence 792, App
806	580	99.1	249	10	US-09-880-748-795	Sequence 795, App
807	580	99.1	249	10	US-09-880-748-798	Sequence 798, App
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1341	546	93.3	251	12	US-10-293-418-1374	Sequence 1374, Ap
1342	546	93.3	253	10	US-09-880-748-1835	Sequence 1835, Ap
1343	546	93.3	253	12	US-10-293-418-1835	Sequence 1835, Ap
1344	546	93.3	255	10	US-09-880-748-1056	Sequence 1056, Ap
1345	546	93.3	255	12	US-10-293-418-1056	Sequence 1056, Ap
1346	546	93.3	257	10	US-09-880-748-1252	Sequence 1252, Ap
1347	546	93.3	257	12	US-10-293-418-1252	Sequence 1252, Ap
1348	545	93.2	239	10	US-09-880-748-2015	Sequence 2015, Ap
1349	545	93.2	239	12	US-10-293-418-2015	Sequence 2015, Ap
1350	545	93.2	241	10	US-09-880-748-2060	Sequence 2060, Ap
1351	545	93.2	241	12	US-10-293-418-2060	Sequence 2060, Ap
1352	545	93.2	247	10	US-09-880-748-1112	Sequence 1112, Ap
1353	545	93.2	247	10	US-09-880-748-1307	Sequence 1307, Ap
1354	545	93.2	247	12	US-10-293-418-1112	Sequence 1112, Ap
1355	545	93.2	247	12	US-10-293-418-1307	Sequence 1307, Ap
1356	545	93.2	248	10	US-09-880-748-877	Sequence 877, App
1357	545	93.2	248	10	US-09-880-748-980	Sequence 980, App
1358	545	93.2	248	10	US-09-880-748-1472	Sequence 1472, Ap
1359	545	93.2	248	12	US-10-293-418-877	Sequence 877, App
1360	545	93.2	248	12	US-10-293-418-980	Sequence 980, App
1361	545	93.2	248	12	US-10-293-418-1472	Sequence 1472, Ap
1362	545	93.2	250	10	US-09-880-748-1676	Sequence 1676, Ap
1363	545	93.2	250	12	US-10-293-418-1676	Sequence 1676, Ap
1364	544	93.0	247	10	US-09-880-748-1939	Sequence 1939, Ap
1365	544	93.0	247	12	US-10-293-418-1939	Sequence 1939, Ap
1366	543	92.8	247	10	US-09-880-748-1294	Sequence 1294, Ap
1367	543	92.8	247	10	US-09-880-748-1470	Sequence 1470, Ap
1368	543	92.8	247	12	US-10-293-418-1294	Sequence 1294, Ap
1369	543	92.8	247	12	US-10-293-418-1470	Sequence 1470, Ap
1370	542.5	92.7	253	10	US-09-880-748-1509	Sequence 1509, Ap
1371	542.5	92.7	253	12	US-10-293-418-1509	Sequence 1509, Ap
1372	541	92.5	111	14	US-10-300-675-20	Sequence 20, Appl
1373	541	92.5	111	14	US-10-300-675-22	Sequence 22, Appl
1374	541	92.5	248	10	US-09-880-748-953	Sequence 953, App
1375	541	92.5	248	12	US-10-293-418-953	Sequence 953, App
1376	539	92.1	111	14	US-10-300-675-16	Sequence 16, Appl
1377	539	92.1	250	10	US-09-880-748-1535	Sequence 1535, Ap
1378	539	92.1	250	12	US-10-293-418-1535	Sequence 1535, Ap
1379	538	92.0	111	14	US-10-300-675-18	Sequence 18, Appl
1380	536	91.6	237	10	US-09-880-748-2036	Sequence 2036, Ap
1381	536	91.6	237	12	US-10-293-418-2036	Sequence 2036, Ap
1382	536	91.6	251	10	US-09-880-748-856	Sequence 856, App
1383	536	91.6	251	12	US-10-293-418-856	Sequence 856, App
1384	536	91.6	254	10	US-09-880-748-1259	Sequence 1259, Ap
1385	536	91.6	254	12	US-10-293-418-1259	Sequence 1259, Ap
1386	535	91.5	248	10	US-09-880-748-965	Sequence 965, App
1387	535	91.5	248	10	US-09-880-748-1306	Sequence 1306, Ap
1388	535	91.5	248	10	US-09-880-748-1755	Sequence 1755, Ap
1389	535	91.5	248	12	US-10-293-418-965	Sequence 965, App
1390	535	91.5	248	12	US-10-293-418-1306	Sequence 1306, Ap
1391	535	91.5	248	12	US-10-293-418-1755	Sequence 1755, Ap
1392	535	91.5	249	10	US-09-880-748-1205	Sequence 1205, Ap
1393	535	91.5	249	12	US-10-293-418-1205	Sequence 1205, Ap
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1395	534.5	91.4	241	12	US-10-293-418-1937	Sequence 1937, Ap
1396	534.5	91.4	249	10	US-09-880-748-912	Sequence 912, App
1397	534.5	91.4	249	12	US-10-293-418-912	Sequence 912, App
1398	534.5	91.4	256	10	US-09-880-748-1189	Sequence 1189, Ap
1399	534.5	91.4	256	12	US-10-293-418-1189	Sequence 1189, Ap
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1401	534	91.3	242	10	US-09-880-748-1433	Sequence 1433, Ap
1402	534	91.3	242	12	US-10-293-418-1433	Sequence 1433, Ap

1403	534	91.3	247	10	US-09-880-748-1257	Sequence 1257, Ap
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1405	534	91.3	248	10	US-09-880-748-1955	Sequence 1955, Ap
1406	534	91.3	248	10	US-09-880-748-1988	Sequence 1988, Ap
1407	534	91.3	248	10	US-09-880-748-2121	Sequence 2121, Ap
1408	534	91.3	248	12	US-10-293-418-1955	Sequence 1955, Ap
1409	534	91.3	248	12	US-10-293-418-1988	Sequence 1988, Ap
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1412	533.5	91.2	251	12	US-10-293-418-1468	Sequence 1468, Ap
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1414	533.5	91.2	253	12	US-10-293-418-1526	Sequence 1526, Ap
1415	533	91.1	111	14	US-10-300-675-26	Sequence 26, Appl
1416	532	90.9	238	10	US-09-880-748-2024	Sequence 2024, Ap
1417	532	90.9	238	12	US-10-293-418-2024	Sequence 2024, Ap
1418	532	90.9	241	10	US-09-880-748-2032	Sequence 2032, Ap
1419	532	90.9	241	12	US-10-293-418-2032	Sequence 2032, Ap
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1421	532	90.9	248	12	US-10-293-418-1728	Sequence 1728, Ap
1422	532	90.9	249	10	US-09-880-748-896	Sequence 896, App
1423	532	90.9	249	12	US-10-293-418-896	Sequence 896, App
1424	530	90.6	248	10	US-09-880-748-1823	Sequence 1823, Ap
1425	530	90.6	248	12	US-10-293-418-1823	Sequence 1823, Ap
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1427	530	90.6	254	12	US-10-293-418-1511	Sequence 1511, Ap
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1437	529	90.4	248	10	US-09-880-748-1765	Sequence 1765, Ap
1438	529	90.4	248	10	US-09-880-748-1816	Sequence 1816, Ap
1439	529	90.4	248	12	US-10-293-418-950	Sequence 950, App
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1445	529	90.4	249	10	US-09-880-748-397	Sequence 397, App
1446	529	90.4	249	10	US-09-880-748-512	Sequence 512, App
1447	529	90.4	249	10	US-09-880-748-892	Sequence 892, App
1448	529	90.4	249	10	US-09-880-748-911	Sequence 911, App
1449	529	90.4	249	10	US-09-880-748-1105	Sequence 1105, Ap
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1469	529	90.4	249	12	US-10-293-418-1118	Sequence 1118, Ap
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1473	529	90.4	250	10	US-09-880-748-1341	Sequence 1341, Ap
1474	529	90.4	250	12	US-10-293-418-842	Sequence 842, App
1475	529	90.4	250	12	US-10-293-418-1341	Sequence 1341, Ap
1476	529	90.4	252	10	US-09-880-748-1731	Sequence 1731, Ap
1477	529	90.4	252	12	US-10-293-418-1731	Sequence 1731, Ap
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1480	528	90.3	242	10	US-09-880-748-2084	Sequence 2084, Ap
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1489	528	90.3	249	12	US-10-293-418-2002	Sequence 2002, Ap
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1517	521	89.1	101	16	US-10-803-653-168	Sequence 168, App
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1536	521	89.1	249	10	US-09-880-748-1290	Sequence 1290, Ap
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1538	521	89.1	249	10	US-09-880-748-1817	Sequence 1817, Ap
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1547	521	89.1	250	10	US-09-880-748-993	Sequence 993, App
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1551	521	89.1	250	10	US-09-880-748-1370	Sequence 1370, Ap
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1553	521	89.1	250	12	US-10-293-418-850	Sequence 850, App
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1555	521	89.1	250	12	US-10-293-418-993	Sequence 993, App
1556	521	89.1	250	12	US-10-293-418-1170	Sequence 1170, Ap
1557	521	89.1	250	12	US-10-293-418-1179	Sequence 1179, Ap
1558	521	89.1	250	12	US-10-293-418-1344	Sequence 1344, Ap
1559	521	89.1	250	12	US-10-293-418-1370	Sequence 1370, Ap
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1562	521	89.1	251	10	US-09-880-748-1708	Sequence 1708, Ap
1563	521	89.1	251	12	US-10-293-418-908	Sequence 908, App
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1571	520	88.9	249	12	US-10-293-418-946	Sequence 946, App
1572	518	88.5	244	10	US-09-880-748-1933	Sequence 1933, Ap
1573	518	88.5	244	12	US-10-293-418-1933	Sequence 1933, Ap
1574	518	88.5	247	10	US-09-880-748-999	Sequence 999, App
1575	518	88.5	247	12	US-10-293-418-999	Sequence 999, App
1576	518	88.5	248	10	US-09-880-748-895	Sequence 895, App
1577	518	88.5	248	12	US-10-293-418-895	Sequence 895, App
1578	518	88.5	250	10	US-09-880-748-1367	Sequence 1367, Ap
1579	518	88.5	250	12	US-10-293-418-1367	Sequence 1367, Ap
1580	517	88.4	240	16	US-10-450-012-2	Sequence 2, Appli
1581	517	88.4	244	10	US-09-880-748-1639	Sequence 1639, Ap
1582	517	88.4	244	12	US-10-293-418-1639	Sequence 1639, Ap
1583	517	88.4	248	10	US-09-880-748-959	Sequence 959, App
1584	517	88.4	248	10	US-09-880-748-1387	Sequence 1387, Ap
1585	517	88.4	248	12	US-10-293-418-959	Sequence 959, App
1586	517	88.4	248	12	US-10-293-418-1387	Sequence 1387, Ap
1587	517	88.4	249	10	US-09-880-748-777	Sequence 777, App
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1591	516.5	88.3	249	10	US-09-880-748-1856	Sequence 1856, Ap
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1595	516	88.2	246	12	US-10-293-418-1393	Sequence 1393, Ap
1596	516	88.2	246	12	US-10-293-418-1638	Sequence 1638, Ap
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1598	516	88.2	249	10	US-09-880-748-1299	Sequence 1299, Ap
1599	516	88.2	249	12	US-10-293-418-1115	Sequence 1115, Ap
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1603	516	88.2	252	10	US-09-880-748-1394	Sequence 1394, Ap
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1606	515	88.0	253	12	US-10-293-418-1858	Sequence 1858, Ap
1607	514	87.9	248	10	US-09-880-748-1877	Sequence 1877, Ap
1608	514	87.9	248	12	US-10-293-418-1877	Sequence 1877, Ap
1609	513	87.7	235	14	US-10-322-673-46	Sequence 46, Appl
1610	513	87.7	247	10	US-09-880-748-1116	Sequence 1116, Ap
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1613	511.5	87.4	254	12	US-10-293-418-844	Sequence 844, App
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1618	509	87.0	248	10	US-09-880-748-921	Sequence 921, App
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1629	504.5	86.2	250	12	US-10-293-418-1022	Sequence 1022, Ap
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1632	502	85.8	96	12	US-10-453-698-106	Sequence 106, App
1633	502	85.8	96	15	US-10-308-817-106	Sequence 106, App
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1654	494	84.4	253	10	US-09-880-748-1848	Sequence 1848, Ap
1655	494	84.4	253	12	US-10-293-418-1848	Sequence 1848, Ap
1656	493.5	84.4	236	10	US-09-880-748-2010	Sequence 2010, Ap
1657	493.5	84.4	236	12	US-10-293-418-2010	Sequence 2010, Ap
1658	492	84.1	249	10	US-09-880-748-1215	Sequence 1215, Ap
1659	492	84.1	249	12	US-10-293-418-1215	Sequence 1215, Ap
1660	491.5	84.0	256	10	US-09-880-748-1258	Sequence 1258, Ap
1661	491.5	84.0	256	12	US-10-293-418-1258	Sequence 1258, Ap

Search completed: September 10, 2004, 10:47:24
Job time : 63.4231 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 10, 2004, 10:07:03 ; Search time 64.5128 Seconds
(without alignments)
486.148 Million cell updates/sec

Title: US-09-880-748-2_COPY_139_249
Perfect score: 585
Sequence: 1 AFSSELTQDPAVSVALGQTV.....RDSSGNHWVFGGGTELTVLG 111

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 903

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 84%
Maximum Match 100%
Listing first 65000 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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390	580	99.1	249	5	ABP44721	Abp44721 Human BLy

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394	580	99.1	249	5	ABP44799	Abp44799 Human BLy
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397	580	99.1	249	5	ABP44682	Abp44682 Human BLy
398	580	99.1	249	5	ABP44784	Abp44784 Human BLy
399	580	99.1	249	5	ABP44429	Abp44429 Human BLy
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414	580	99.1	249	5	ABP44771	Abp44771 Human BLy
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417	580	99.1	249	5	ABP44653	Abp44653 Human BLy
418	580	99.1	249	5	ABP44777	Abp44777 Human BLy
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422	580	99.1	249	5	ABP44316	Abp44316 Human BLy
423	580	99.1	249	5	ABP44797	Abp44797 Human BLy
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425	580	99.1	249	5	ABP44436	Abp44436 Human BLy
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427	579	99.0	249	5	ABP44314	Abp44314 Human BLy
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436	579	99.0	249	5	ABP44684	Abp44684 Human BLy
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438	579	99.0	249	5	ABP44820	Abp44820 Human BLy
439	579	99.0	249	5	ABP44818	Abp44818 Human BLy
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442	579	99.0	249	5	ABP44798	Abp44798 Human BLy
443	579	99.0	249	5	ABP44605	Abp44605 Human BLy
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445	578	98.8	248	5	ABP44383	Abp44383 Human BLy
446	578	98.8	249	5	ABP44609	Abp44609 Human BLy
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457	578	98.8	249	5	ABP44623	Abp44623 Human BLy
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459	577	98.6	248	5	ABP44632	Abp44632 Human BLy
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469	577	98.6	249	5	ABP44785	Abp44785 Human BLy
470	576	98.5	249	5	ABP44418	Abp44418 Human BLy
471	576	98.5	249	5	ABP44790	Abp44790 Human BLy
472	576	98.5	249	5	ABP44584	Abp44584 Human BLy
473	576	98.5	249	5	ABP44792	Abp44792 Human BLy
474	576	98.5	249	5	ABP44342	Abp44342 Human BLy
475	576	98.5	249	5	ABP44733	Abp44733 Human BLy
476	575	98.3	247	5	ABP44709	Abp44709 Human BLy
477	575	98.3	249	5	ABP44805	Abp44805 Human BLy
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485	575	98.3	249	5	ABP44806	Abp44806 Human BLy
486	575	98.3	249	5	ABP44720	Abp44720 Human BLy
487	575	98.3	249	5	ABP44811	Abp44811 Human BLy
488	575	98.3	249	5	ABP44469	Abp44469 Human BLy
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492	573	97.9	248	5	ABP44473	Abp44473 Human BLy
493	573	97.9	249	5	ABP44601	Abp44601 Human BLy
494	573	97.9	249	5	ABP44736	Abp44736 Human BLy
495	573	97.9	249	5	ABP44741	Abp44741 Human BLy
496	572	97.8	249	5	ABP44335	Abp44335 Human BLy
497	572	97.8	249	5	ABP44667	Abp44667 Human BLy
498	570	97.4	249	5	ABP44775	Abp44775 Human BLy
499	570	97.4	249	5	ABP44776	Abp44776 Human BLy
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501	570	97.4	249	5	ABP44796	Abp44796 Human BLy
502	569.5	97.4	248	5	ABP44528	Abp44528 Human BLy
503	569	97.3	249	5	ABP44821	Abp44821 Human BLy
504	569	97.3	249	5	ABP44693	Abp44693 Human BLy
505	569	97.3	249	5	ABP44329	Abp44329 Human BLy
506	568	97.1	249	5	ABP44779	Abp44779 Human BLy
507	566	96.8	249	5	ABP44816	Abp44816 Human BLy
508	565	96.6	249	5	ABP44786	Abp44786 Human BLy
509	564	96.4	249	5	ABP44692	Abp44692 Human BLy
510	561	95.9	240	4	AAB46052	Aab46052 Human TF
511	561	95.9	253	5	ABP45818	Abp45818 Human BLy
512	560	95.7	257	5	ABP45017	Abp45017 Human BLy
513	557	95.2	115	4	AAG65559	Aag65559 Amino aci
514	557	95.2	153	5	AAO15846	Aao15846 Human imm
515	556	95.0	109	4	AAU02513	Aau02513 Anti-adip
516	556	95.0	209	5	AAU98017	Aau98017 Human ace
517	556	95.0	229	2	AAW49694	Aaw49694 Human ScF
518	556	95.0	236	2	AAW49690	Aaw49690 Human ScF
519	556	95.0	237	2	AAW49691	Aaw49691 Human ScF
520	556	95.0	237	5	ABP46101	Abp46101 Human BLy
521	556	95.0	237	5	ABP45930	Abp45930 Human BLy
522	556	95.0	238	5	ABP45896	Abp45896 Human BLy
523	556	95.0	239	2	AAW49692	Aaw49692 Human ScF
524	556	95.0	239	5	ABP46007	Abp46007 Human BLy
525	556	95.0	239	5	ABP46027	Abp46027 Human BLy
526	556	95.0	239	5	ABP44926	Abp44926 Human BLy
527	556	95.0	240	5	ABP45380	Abp45380 Human BLy
528	556	95.0	240	5	ABP45901	Abp45901 Human BLy
529	556	95.0	240	5	ABP46002	Abp46002 Human BLy
530	556	95.0	240	6	AAO31146	Aao31146 Human CM0
531	556	95.0	241	5	ABP46020	Abp46020 Human BLy
532	556	95.0	241	5	ABP45292	Abp45292 Human BLy
533	556	95.0	242	5	ABP45667	Abp45667 Human BLy
534	556	95.0	242	5	ABP46035	Abp46035 Human BLy
535	556	95.0	242	5	ABP45433	Abp45433 Human BLy
536	556	95.0	242	5	ABP46095	Abp46095 Human BLy

537	556	95.0	243	5	ABP46045	Abp46045 Human BLy	610	556	95.0	255	5	ABP43993	Abp43993 Human BLy		
538	556	95.0	243	5	ABP45929	Abp45929 Human BLy	611	556	95.0	255	5	ABP45054	Abp45054 Human BLy		
539	556	95.0	243	5	ABP46003	Abp46003 Human BLy	612	556	95.0	256	5	ABP45610	Abp45610 Human BLy		
540	556	95.0	243	5	ABP45931	Abp45931 Human BLy	613	556	95.0	257	5	ABP45585	Abp45585 Human BLy		
541	556	95.0	243	5	ABP46096	Abp46096 Human BLy	614	556	95.0	260	5	ABG92023	Abg92023 Antibody		
542	556	95.0	243	5	ABP45918	Abp45918 Human BLy	615	556	95.0	263	5	ABG92024	Abg92024 Antibody		
543	556	95.0	244	5	ABP45683	Abp45683 Human BLy	616	556	95.0	266	5	ABG92020	Abg92020 Human ant		
544	556	95.0	244	5	ABP45681	Abp45681 Human BLy	617	556	95.0	277	5	ABG78150	Abg78150 Human Fv		
545	556	95.0	244	5	ABP46047	Abp46047 Human BLy	618	556	95.0	277	5	ABG78328	Abg78328 Human Fv		
546	556	95.0	244	6	AAO31139	Aao31139 Human CM0	619	556	95.0	277	5	ABG92019	Abg92019 Human ant		
547	556	95.0	244	6	AAO31136	Aao31136 Human CM0	620	556	95.0	277	5	ABG91841	Abg91841 Human ant		
548	556	95.0	245	5	ABP45908	Abp45908 Human BLy	621	556	95.0	280	4	AAE02186	Aae02186 PAM2 sing		
549	556	95.0	245	5	ABP45604	Abp45604 Human BLy	622	556	95.0	282	4	AAE02185	Aae02185 PAM1 sing		
550	556	95.0	245	5	ABP45815	Abp45815 Human BLy	623	556	95.0	309	2	AAW83322	Aaw83322 Single ch		
551	556	95.0	245	6	AAO31137	Aao31137 Human CM0	624	556	95.0	309	5	ABB09603	Abb09603 Amino aci		
552	556	95.0	246	5	ABG78329	Abg78329 Human Fv	625	556	95.0	309	6	ABG74384	Abg74384 Single ch		
553	556	95.0	246	5	ABP45807	Abp45807 Human BLy	626	556	95.0	312	2	AAW83323	Aaw83323 Single ch		
554	556	95.0	246	5	ABP45415	Abp45415 Human BLy	627	556	95.0	312	5	ABB09604	Abb09604 Amino aci		
555	556	95.0	246	5	ABP44917	Abp44917 Human BLy	628	556	95.0	312	6	ABG74385	Abg74385 Single ch		
556	556	95.0	246	5	ABP45644	Abp45644 Human BLy	629	553	94.5	229	6	AAO30914	Aao30914 dI-NHS76		
557	556	95.0	246	5	ABG92026	Abg92026 Antibody	630	553	94.5	242	5	ABP45413	Abp45413 Human BLy		
558	556	95.0	247	5	ABP45692	Abp45692 Human BLy	631	553	94.5	246	5	ABP45964	Abp45964 Human BLy		
559	556	95.0	247	5	ABP44985	Abp44985 Human BLy	632	553	94.5	251	5	ABP44932	Abp44932 Human BLy		
560	556	95.0	247	5	ABP45640	Abp45640 Human BLy	633	552	94.4	108	4	AAG62939	Aag62939 Amino aci		
561	556	95.0	247	5	ABP45311	Abp45311 Human BLy	634	552	94.4	108	5	AAG80198	Aag80198 Human gp9		
562	556	95.0	247	5	ABP45715	Abp45715 Human BLy	635	552	94.4	111	5	ABG78132	Abg78132 Human Fv		
563	556	95.0	248	5	ABP45654	Abp45654 Human BLy	636	552	94.4	111	5	ABG91823	Abg91823 Human ant		
564	556	95.0	248	5	ABP44909	Abp44909 Human BLy	637	552	94.4	238	5	ABP45920	Abp45920 Human BLy		
565	556	95.0	248	5	ABP45282	Abp45282 Human BLy	638	552	94.4	239	5	ABP46024	Abp46024 Human BLy		
566	556	95.0	248	5	ABP45611	Abp45611 Human BLy	639	552	94.4	246	5	ABP45770	Abp45770 Human BLy		
567	556	95.0	248	5	ABP45651	Abp45651 Human BLy	640	552	94.4	247	5	ABP44916	Abp44916 Human BLy		
568	556	95.0	248	5	ABP45668	Abp45668 Human BLy	641	552	94.4	247	5	ABP45753	Abp45753 Human BLy		
569	556	95.0	248	5	ABP45320	Abp45320 Human BLy	642	552	94.4	247	5	ABP45373	Abp45373 Human BLy		
570	556	95.0	248	5	ABP45613	Abp45613 Human BLy	643	552	94.4	248	5	ABP45406	Abp45406 Human BLy		
571	556	95.0	248	5	ABP45632	Abp45632 Human BLy	644	552	94.4	248	5	ABP45664	Abp45664 Human BLy		
572	556	95.0	248	5	ABP45637	Abp45637 Human BLy	645	552	94.4	251	5	ABP45729	Abp45729 Human BLy		
573	556	95.0	248	5	ABP45730	Abp45730 Human BLy	646	552	94.4	251	5	ABP45346	Abp45346 Human BLy		
574	556	95.0	248	5	ABP44882	Abp44882 Human BLy	647	551	94.2	241	5	ABP45900	Abp45900 Human BLy		
575	556	95.0	248	5	ABP44959	Abp44959 Human BLy	648	551	94.2	242	5	ABP46010	Abp46010 Human BLy		
576	556	95.0	248	5	ABP45723	Abp45723 Human BLy	649	551	94.2	247	5	ABP44937	Abp44937 Human BLy		
577	556	95.0	248	5	ABP45598	Abp45598 Human BLy	650	551	94.2	248	5	ABP45659	Abp45659 Human BLy		
578	556	95.0	248	5	ABP45710	Abp45710 Human BLy	651	551	94.2	248	5	ABP45649	Abp45649 Human BLy		
579	556	95.0	248	5	ABP44889	Abp44889 Human BLy	652	551	94.2	249	5	ABP45719	Abp45719 Human BLy		
580	556	95.0	248	5	ABP44956	Abp44956 Human BLy	653	551	94.2	250	5	ABP45463	Abp45463 Human BLy		
581	556	95.0	248	5	ABP45657	Abp45657 Human BLy	654	551	94.2	250	5	ABP45537	Abp45537 Human BLy		
582	556	95.0	248	5	ABP45656	Abp45656 Human BLy	655	551	94.2	251	5	ABP45305	Abp45305 Human BLy		
583	556	95.0	248	5	ABP45670	Abp45670 Human BLy	656	551	94.2	252	5	ABP45405	Abp45405 Human BLy		
584	556	95.0	248	5	ABP44902	Abp44902 Human BLy	657	550	94.0	108	3	AAY44616	Aay44616 Human ant		
585	556	95.0	248	5	ABP45375	Abp45375 Human BLy	658	550	94.0	115	4	AAG65557	Aag65557 Amino aci		
586	556	95.0	248	5	ABP45612	Abp45612 Human BLy	659	550	94.0	246	5	ABP45691	Abp45691 Human BLy		
587	556	95.0	249	5	ABP45294	Abp45294 Human BLy	660	550	94.0	248	5	ABP45312	Abp45312 Human BLy		
588	556	95.0	249	5	ABP45630	Abp45630 Human BLy	661	550	94.0	249	2	AAW24061	Aaw24061 Human WSX		
589	556	95.0	249	5	ABP46022	Abp46022 Human BLy	662	550	94.0	249	7	ADC08949	Adc08949 Human WSX		
590	556	95.0	249	5	ABP45434	Abp45434 Human BLy	663	550	94.0	251	5	ABP44938	Abp44938 Human BLy		
591	556	95.0	249	5	ABP45713	Abp45713 Human BLy	664	550	94.0	251	5	ABP44986	Abp44986 Human BLy		
592	556	95.0	249	5	ABP45098	Abp45098 Human BLy	665	550	94.0	253	5	ABP45617	Abp45617 Human BLy		
593	556	95.0	249	5	ABP44529	Abp44529 Human BLy	666	549	93.8	233	5	ABG78152	Abg78152 Human Fv		
594	556	95.0	249	5	ABP45324	Abp45324 Human BLy	667	549	93.8	233	5	ABG91843	Abg91843 Human ant		
595	556	95.0	249	5	ABP45714	Abp45714 Human BLy	668	549	93.8	237	5	ABP46028	Abp46028 Human BLy		
596	556	95.0	249	5	ABP44952	Abp44952 Human BLy	669	549	93.8	242	5	ABP45751	Abp45751 Human BLy		
597	556	95.0	249	5	ABP45609	Abp45609 Human BLy	670	549	93.8	243	5	ABP45936	Abp45936 Human BLy		
598	556	95.0	249	5	ABP45414	Abp45414 Human BLy	671	549	93.8	246	5	ABP45181	Abp45181 Human BLy		
599	556	95.0	250	5	ABP45636	Abp45636 Human BLy	672	549	93.8	247	5	ABP44913	Abp44913 Human BLy		
600	556	95.0	250	5	ABP45711	Abp45711 Human BLy	673	549	93.8	248	5	ABP45716	Abp45716 Human BLy		
601	556	95.0	250	5	ABP46055	Abp46055 Human BLy	674	549	93.8	248	5	ABP45779	Abp45779 Human BLy		
602	556	95.0	250	6	ABP60526	Abp60526 APRIL bin	675	549	93.8	248	5	ABP44824	Abp44824 Human BLy		
603	556	95.0	251	5	ABP45304	Abp45304 Human BLy	676	549	93.8	248	5	ABP44903	Abp44903 Human BLy		
604	556	95.0	251	5	ABP44941	Abp44941 Human BLy	677	549	93.8	251	5	ABP44971	Abp44971 Human BLy		
605	556	95.0	251	5	ABP45335	Abp45335 Human BLy	678	549	93.8	253	5	ABP45766	Abp45766 Human BLy		
606	556	95.0	252	5	ABP45635	Abp45635 Human BLy	679	549	93.8	256	5	ABG78334	Abg78334 Human Fv		
607	556	95.0	253	5	ABP44927	Abp44927 Human BLy	680	549	93.8	256	5	ABG92025	Abg92025 Antibody		
608	556	95.0	254	2	AAW49693	Aaw49693 Human ScF	681	548.5	93.8	108	3	AAY95185	Aay95185 Anti-plat		
609	556	95.0	255	5	ABP45043	Abp45043 Human BLy	682	548.5	93.8	108	3	AAY95179	Aay95179 Anti-plat		

683	548	93.7	239	5	ABP46011	Abp46011 Human BLy
684	548	93.7	239	5	ABP46012	Abp46012 Human BLy
685	548	93.7	241	5	ABP45997	Abp45997 Human BLy
686	548	93.7	246	5	ABP45297	Abp45297 Human BLy
687	548	93.7	247	5	ABP45317	Abp45317 Human BLy
688	548	93.7	248	5	ABP44973	Abp44973 Human BLy
689	548	93.7	248	5	ABP45707	Abp45707 Human BLy
690	548	93.7	248	5	ABP45646	Abp45646 Human BLy
691	548	93.7	248	5	ABP45721	Abp45721 Human BLy
692	548	93.7	250	5	ABP45712	Abp45712 Human BLy
693	548	93.7	255	5	ABP45903	Abp45903 Human BLy
694	547	93.5	237	5	ABP45995	Abp45995 Human BLy
695	547	93.5	243	5	ABP45933	Abp45933 Human BLy
696	547	93.5	246	5	ABP45289	Abp45289 Human BLy
697	547	93.5	248	5	ABP45377	Abp45377 Human BLy
698	547	93.5	248	5	ABP44976	Abp44976 Human BLy
699	547	93.5	248	5	ABP44905	Abp44905 Human BLy
700	546.5	93.4	237	3	AAY95219	Aay95219 Anti-plat
701	546	93.3	111	3	AAY99559	Aay99559 Human LH1
702	546	93.3	111	6	ABR42862	Abr42862 Tumour-sp
703	546	93.3	239	4	AAB46054	Aab46054 Human TF
704	546	93.3	251	5	ABP45363	Abp45363 Human BLy
705	546	93.3	253	5	ABP45824	Abp45824 Human BLy
706	546	93.3	255	5	ABP45045	Abp45045 Human BLy
707	546	93.3	257	5	ABP45241	Abp45241 Human BLy
708	545	93.2	109	2	AAW15525	Aaw15525 Anti-TGF
709	545	93.2	239	5	ABP46004	Abp46004 Human BLy
710	545	93.2	241	5	ABP46049	Abp46049 Human BLy
711	545	93.2	247	5	ABP45296	Abp45296 Human BLy
712	545	93.2	247	5	ABP45101	Abp45101 Human BLy
713	545	93.2	248	5	ABP45461	Abp45461 Human BLy
714	545	93.2	248	5	ABP44866	Abp44866 Human BLy
715	545	93.2	248	5	ABP44969	Abp44969 Human BLy
716	545	93.2	250	5	ABP45665	Abp45665 Human BLy
717	544	93.0	107	4	AAG62969	Aag62969 Amino aci
718	544	93.0	247	5	ABP45928	Abp45928 Human BLy
719	543	92.8	247	5	ABP45459	Abp45459 Human BLy
720	543	92.8	247	5	ABP45283	Abp45283 Human BLy
721	542.5	92.7	107	3	AAY95215	Aay95215 Anti-plat
722	542.5	92.7	107	3	AAY95194	Aay95194 Anti-plat
723	542.5	92.7	238	3	AAY95198	Aay95198 Anti-plat
724	542.5	92.7	253	5	ABP45498	Abp45498 Human BLy
725	542	92.6	109	4	AAU02527	Aau02527 Anti-adip
726	541	92.5	111	6	ABR42846	Abr42846 Tumour-sp
727	541	92.5	111	6	ABR42845	Abr42845 Tumour-sp
728	541	92.5	248	5	ABP44942	Abp44942 Human BLy
729	540.5	92.4	109	2	AAW08583	Aaw08583 Human ant
730	539	92.1	108	4	AAG62937	Aag62937 Amino aci
731	539	92.1	111	6	ABR42843	Abr42843 Tumour-sp
732	539	92.1	250	5	ABP45524	Abp45524 Human BLy
733	538	92.0	111	6	ABR42844	Abr42844 Tumour-sp
734	536	91.6	237	5	ABP46025	Abp46025 Human BLy
735	536	91.6	251	5	ABP44845	Abp44845 Human BLy
736	536	91.6	254	5	ABP45248	Abp45248 Human BLy
737	535	91.5	109	4	AAU02504	Aau02504 Anti-adip
738	535	91.5	248	5	ABP45295	Abp45295 Human BLy
739	535	91.5	248	5	ABP45744	Abp45744 Human BLy
740	535	91.5	248	5	ABP44954	Abp44954 Human BLy
741	535	91.5	249	5	ABP45194	Abp45194 Human BLy
742	534.5	91.4	110	2	AAW15526	Aaw15526 Anti-TGF
743	534.5	91.4	241	5	ABP45926	Abp45926 Human BLy
744	534.5	91.4	249	5	ABP44901	Abp44901 Human BLy
745	534.5	91.4	256	5	ABP45178	Abp45178 Human BLy
746	534	91.3	106	4	AAU02531	Aau02531 Anti-adip
747	534	91.3	111	6	ABR42847	Abr42847 Tumour-sp
748	534	91.3	242	5	ABP45422	Abp45422 Human BLy
749	534	91.3	247	5	ABP45246	Abp45246 Human BLy
750	534	91.3	248	5	ABP45944	Abp45944 Human BLy
751	534	91.3	248	5	ABP46110	Abp46110 Human BLy
752	534	91.3	248	5	ABP45977	Abp45977 Human BLy
753	533.5	91.2	251	5	ABP45457	Abp45457 Human BLy
754	533.5	91.2	253	5	ABP45515	Abp45515 Human BLy
755	533	91.1	111	6	ABR42848	Abr42848 Tumour-sp
756	532	90.9	236	4	AAB46055	Aab46055 Human TF
757	532	90.9	238	5	ABP46013	Abp46013 Human BLy
758	532	90.9	241	5	ABP46021	Abp46021 Human BLy
759	532	90.9	248	5	ABP45717	Abp45717 Human BLy
760	532	90.9	249	5	ABP44885	Abp44885 Human BLy
761	531	90.8	109	4	AAU02509	Aau02509 Anti-adip
762	530.5	90.7	242	3	AAY15127	Aay15127 Anti-muri
763	530	90.6	108	4	AAG62933	Aag62933 Amino aci
764	530	90.6	248	5	ABP45812	Abp45812 Human BLy
765	530	90.6	254	5	ABP45500	Abp45500 Human BLy
766	529.5	90.5	242	4	AAB46053	Aab46053 Human TF
767	529.5	90.5	248	5	ABP45694	Abp45694 Human BLy
768	529	90.4	108	4	AAU02632	Aau02632 Anti-adip
769	529	90.4	109	2	AAW19884	Aaw19884 CEA-speci
770	529	90.4	243	5	ABP46046	Abp46046 Human BLy
771	529	90.4	246	5	ABP46057	Abp46057 Human BLy
772	529	90.4	248	5	ABP45754	Abp45754 Human BLy
773	529	90.4	248	5	ABP45805	Abp45805 Human BLy
774	529	90.4	248	5	ABP45170	Abp45170 Human BLy
775	529	90.4	248	5	ABP45171	Abp45171 Human BLy
776	529	90.4	248	5	ABP44939	Abp44939 Human BLy
777	529	90.4	249	5	ABP44881	Abp44881 Human BLy
778	529	90.4	249	5	ABP45099	Abp45099 Human BLy
779	529	90.4	249	5	ABP45102	Abp45102 Human BLy
780	529	90.4	249	5	ABP45094	Abp45094 Human BLy
781	529	90.4	249	5	ABP45100	Abp45100 Human BLy
782	529	90.4	249	5	ABP45107	Abp45107 Human BLy
783	529	90.4	249	5	ABP45109	Abp45109 Human BLy
784	529	90.4	249	5	ABP45097	Abp45097 Human BLy
785	529	90.4	249	5	ABP44900	Abp44900 Human BLy
786	529	90.4	249	5	ABP45106	Abp45106 Human BLy
787	529	90.4	249	5	ABP44501	Abp44501 Human BLy
788	529	90.4	249	5	ABP43994	Abp43994 Human BLy
789	529	90.4	249	5	ABP45108	Abp45108 Human BLy
790	529	90.4	249	5	ABP44386	Abp44386 Human BLy
791	529	90.4	250	5	ABP45330	Abp45330 Human BLy
792	529	90.4	250	5	ABP44831	Abp44831 Human BLy
793	529	90.4	252	5	ABP45720	Abp45720 Human BLy
794	529	90.4	253	5	ABP45479	Abp45479 Human BLy
795	528	90.3	242	5	ABP46073	Abp46073 Human BLy
796	528	90.3	247	5	ABP46092	Abp46092 Human BLy
797	528	90.3	248	5	ABP46077	Abp46077 Human BLy
798	528	90.3	248	5	ABP45187	Abp45187 Human BLy
799	528	90.3	249	5	ABP45991	Abp45991 Human BLy
800	527	90.1	109	4	AAU02511	Aau02511 Anti-adip
801	526	89.9	251	5	ABP45039	Abp45039 Human BLy
802	525	89.7	242	5	ABP45731	Abp45731 Human BLy
803	525	89.7	249	5	ABP45091	Abp45091 Human BLy
804	524	89.6	248	5	ABP45774	Abp45774 Human BLy
805	524	89.6	249	5	ABP45301	Abp45301 Human BLy
806	524	89.6	249	5	ABP45193	Abp45193 Human BLy
807	523.5	89.5	248	5	ABP45240	Abp45240 Human BLy
808	523	89.4	233	5	ABG92022	Abg92022 Antibody
809	523	89.4	243	5	ABP46091	Abp46091 Human BLy
810	523	89.4	244	5	ABP45913	Abp45913 Human BLy
811	523	89.4	248	5	ABP45577	Abp45577 Human BLy
812	522	89.2	243	5	ABP45948	Abp45948 Human BLy
813	522	89.2	248	5	ABP45860	Abp45860 Human BLy
814	522	89.2	255	5	ABP45775	Abp45775 Human BLy
815	521	89.1	101	2	AAR22572	Aar22572 Light cha
816	521	89.1	241	5	ABP45777	Abp45777 Human BLy
817	521	89.1	242	5	ABP45750	Abp45750 Human BLy
818	521	89.1	242	5	ABP45427	Abp45427 Human BLy
819	521	89.1	247	5	ABP45862	Abp45862 Human BLy
820	521	89.1	247	5	ABP45641	Abp45641 Human BLy
821	521	89.1	247	5	ABP45718	Abp45718 Human BLy
822	521	89.1	247	5	ABP45319	Abp45319 Human BLy
823	521	89.1	248	5	ABP44837	Abp44837 Human BLy
824	521	89.1	249	5	ABP45391	Abp45391 Human BLy
825	521	89.1	249	5	ABP45279	Abp45279 Human BLy
826	521	89.1	249	5	ABP45806	Abp45806 Human BLy
827	521	89.1	249	5	ABP44946	Abp44946 Human BLy
828	521	89.1	249	5	ABP44963	Abp44963 Human BLy

829	521	89.1	250	5	ABP44839	Abp44839 Human BLy
830	521	89.1	250	5	ABP45159	Abp45159 Human BLy
831	521	89.1	250	5	ABP45168	Abp45168 Human BLy
832	521	89.1	250	5	ABP44840	Abp44840 Human BLy
833	521	89.1	250	5	ABP44982	Abp44982 Human BLy
834	521	89.1	250	5	ABP45333	Abp45333 Human BLy
835	521	89.1	250	5	ABP44823	Abp44823 Human BLy
836	521	89.1	250	5	ABP45359	Abp45359 Human BLy
837	521	89.1	251	5	ABP45697	Abp45697 Human BLy
838	521	89.1	251	5	ABP44897	Abp44897 Human BLy
839	521	89.1	251	5	ABP45583	Abp45583 Human BLy
840	520	88.9	106	4	AAU02518	Aau02518 Anti-adip
841	520	88.9	245	5	ABP45968	Abp45968 Human BLy
842	520	88.9	248	5	ABP45167	Abp45167 Human BLy
843	520	88.9	249	5	ABP44935	Abp44935 Human BLy
844	518	88.5	244	5	ABP45922	Abp45922 Human BLy
845	518	88.5	247	5	ABP44988	Abp44988 Human BLy
846	518	88.5	248	5	ABP44884	Abp44884 Human BLy
847	518	88.5	250	5	ABP45356	Abp45356 Human BLy
848	517	88.4	108	4	AAG62935	Aag62935 Amino aci
849	517	88.4	108	4	AAG62945	Aag62945 Amino aci
850	517	88.4	108	4	AAG62961	Aag62961 Amino aci
851	517	88.4	240	5	AAU79563	Aau79563 Monoclona
852	517	88.4	244	5	ABP45628	Abp45628 Human BLy
853	517	88.4	248	5	ABP44948	Abp44948 Human BLy
854	517	88.4	248	5	ABP45376	Abp45376 Human BLy
855	517	88.4	249	5	ABP44766	Abp44766 Human BLy
856	517	88.4	250	5	ABP43996	Abp43996 Human BLy
857	516.5	88.3	249	5	ABP45845	Abp45845 Human BLy
858	516	88.2	246	5	ABP45382	Abp45382 Human BLy
859	516	88.2	246	5	ABP45627	Abp45627 Human BLy
860	516	88.2	249	5	ABP45288	Abp45288 Human BLy
861	516	88.2	249	5	ABP45104	Abp45104 Human BLy
862	516	88.2	250	5	ABP45979	Abp45979 Human BLy
863	516	88.2	252	5	ABP45383	Abp45383 Human BLy
864	515.5	88.1	110	2	AAW15538	Aaw15538 Anti-TGF
865	515	88.0	233	1	AAP81260	Aap81260 VDJC regi
866	515	88.0	253	5	ABP45847	Abp45847 Human BLy
867	514	87.9	109	2	AAW47182	Aaw47182 Variable
868	514	87.9	248	5	ABP45866	Abp45866 Human BLy
869	513	87.7	109	4	AAG65309	Aag65309 Anti-IL-1
870	513	87.7	109	4	AAG65353	Aag65353 Anti-IL-1
871	513	87.7	235	6	AAO31140	Aao31140 Human CM0
872	513	87.7	247	5	ABP45105	Abp45105 Human BLy
873	511.5	87.4	254	5	ABP44833	Abp44833 Human BLy
874	511	87.4	109	2	AAW47181	Aaw47181 Variable
875	511	87.4	253	5	ABP45927	Abp45927 Human BLy
876	509	87.0	107	2	AAW15528	Aaw15528 Anti-TGF
877	509	87.0	246	5	ABP45969	Abp45969 Human BLy
878	509	87.0	248	5	ABP44910	Abp44910 Human BLy
879	507.5	86.8	253	5	ABP45519	Abp45519 Human BLy
880	507.5	86.8	255	5	ABP45472	Abp45472 Human BLy
881	507	86.7	240	5	ABP45978	Abp45978 Human BLy
882	506	86.5	109	2	AAW15559	Aaw15559 TGF beta-
883	505	86.3	250	5	ABP45856	Abp45856 Human BLy
884	504.5	86.2	250	5	ABP45011	Abp45011 Human BLy
885	504	86.2	250	5	ABP45475	Abp45475 Human BLy
886	503	86.0	107	2	AAR69092	Aar69092 Anti-HIV
887	503	86.0	107	2	AAW08741	Aaw08741 Human ant
888	501	85.6	250	5	ABP45003	Abp45003 Human BLy
889	501	85.6	253	5	ABP45842	Abp45842 Human BLy
890	500	85.5	243	5	ABP45852	Abp45852 Human BLy
891	498	85.1	251	5	ABP45822	Abp45822 Human BLy
892	498	85.1	252	5	ABP45464	Abp45464 Human BLy
893	497.5	85.0	238	5	ABP46056	Abp46056 Human BLy
894	496.5	84.9	252	5	ABP45530	Abp45530 Human BLy
895	494.5	84.5	251	5	ABP45221	Abp45221 Human BLy
896	494	84.4	104	5	ABB05054	Abb05054 Fibronect
897	494	84.4	238	4	ABG19297	Abg19297 Novel hum
898	494	84.4	248	5	ABP45445	Abp45445 Human BLy
899	494	84.4	250	5	ABP45473	Abp45473 Human BLy
900	494	84.4	253	5	ABP45837	Abp45837 Human BLy
901	493.5	84.4	236	5	ABP45999	Abp45999 Human BLy
902	492	84.1	249	5	ABP45204	Abp45204 Human BLy
903	491.5	84.0	256	5	ABP45247	Abp45247 Human BLy

Search completed: September 10, 2004, 10:26:50
Job time : 75.5128 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 10, 2004, 10:07:03 ; Search time 71.4872 Seconds
(without alignments)
486.148 Million cell updates/sec

Title: US-09-880-748-2_COPY_1_123
Perfect score: 640
Sequence: 1 QVQLQQSGAEVKKPGSSVRV.....LFPHYGMDVWGRGTMVTVSS 123

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 518

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 84%
Maximum Match 100%
Listing first 65000 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	640	100.0	246	5	ABP44917	Abp44917 Human BLy
2	640	100.0	249	5	ABP44468	Abp44468 Human BLy
3	640	100.0	249	5	ABP43991	Abp43991 Human BLy
4	640	100.0	249	5	ABP44708	Abp44708 Human BLy
5	640	100.0	249	5	ABP44460	Abp44460 Human BLy
6	640	100.0	249	5	ABP44785	Abp44785 Human BLy
7	640	100.0	249	5	ABP44607	Abp44607 Human BLy
8	637	99.5	246	5	ABP45415	Abp45415 Human BLy
9	637	99.5	246	5	ABP45770	Abp45770 Human BLy
10	637	99.5	249	5	ABP44602	Abp44602 Human BLy
11	634	99.1	249	5	ABP44688	Abp44688 Human BLy
12	634	99.1	249	5	ABP45737	Abp45737 Human BLy
13	633	98.9	246	5	ABP45297	Abp45297 Human BLy
14	632	98.8	249	5	ABP44677	Abp44677 Human BLy
15	632	98.8	249	5	ABP44313	Abp44313 Human BLy
16	631	98.6	246	5	ABP45807	Abp45807 Human BLy
17	631	98.6	249	5	ABP44710	Abp44710 Human BLy
18	626	97.8	249	5	ABP44775	Abp44775 Human BLy
19	626	97.8	249	5	ABP44783	Abp44783 Human BLy
20	626	97.8	249	5	ABP44793	Abp44793 Human BLy
21	623	97.3	249	5	ABP44314	Abp44314 Human BLy
22	623	97.3	249	5	ABP44750	Abp44750 Human BLy
23	623	97.3	249	5	ABP44804	Abp44804 Human BLy
24	621	97.0	249	5	ABP44450	Abp44450 Human BLy
25	621	97.0	249	5	ABP44800	Abp44800 Human BLy
26	621	97.0	249	5	ABP44763	Abp44763 Human BLy
27	621	97.0	249	5	ABP44311	Abp44311 Human BLy
28	621	97.0	249	5	ABP44815	Abp44815 Human BLy
29	621	97.0	249	5	ABP44741	Abp44741 Human BLy
30	621	97.0	249	5	ABP44318	Abp44318 Human BLy
31	621	97.0	249	5	ABP44781	Abp44781 Human BLy
32	621	97.0	249	5	ABP44786	Abp44786 Human BLy
33	621	97.0	249	5	ABP44797	Abp44797 Human BLy
34	621	97.0	249	5	ABP44814	Abp44814 Human BLy
35	621	97.0	249	5	ABP44733	Abp44733 Human BLy
36	620	96.9	249	5	ABP44522	Abp44522 Human BLy
37	620	96.9	249	5	ABP44698	Abp44698 Human BLy
38	620	96.9	249	5	ABP44718	Abp44718 Human BLy
39	619	96.7	249	5	ABP44787	Abp44787 Human BLy
40	619	96.7	249	5	ABP44803	Abp44803 Human BLy
41	618	96.6	249	5	ABP44561	Abp44561 Human BLy
42	618	96.6	249	5	ABP44680	Abp44680 Human BLy
43	618	96.6	249	5	ABP44687	Abp44687 Human BLy
44	618	96.6	249	5	ABP44690	Abp44690 Human BLy
45	618	96.6	249	5	ABP44777	Abp44777 Human BLy
46	618	96.6	249	5	ABP44731	Abp44731 Human BLy
47	617	96.4	249	5	ABP44794	Abp44794 Human BLy
48	617	96.4	249	5	ABP44434	Abp44434 Human BLy
49	617	96.4	249	5	ABP44801	Abp44801 Human BLy
50	617	96.4	249	5	ABP44639	Abp44639 Human BLy
51	617	96.4	249	5	ABP44684	Abp44684 Human BLy
52	617	96.4	249	5	ABP44416	Abp44416 Human BLy
53	617	96.4	249	5	ABP44762	Abp44762 Human BLy
54	616	96.2	249	5	ABP44809	Abp44809 Human BLy
55	616	96.2	249	5	ABP44759	Abp44759 Human BLy
56	616	96.2	249	5	ABP44663	Abp44663 Human BLy
57	616	96.2	249	5	ABP44310	Abp44310 Human BLy
58	616	96.2	249	5	ABP44580	Abp44580 Human BLy
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60	615	96.1	249	5	ABP44572	Abp44572 Human BLy
61	615	96.1	249	5	ABP44717	Abp44717 Human BLy
62	615	96.1	249	5	ABP44792	Abp44792 Human BLy
63	615	96.1	249	5	ABP44605	Abp44605 Human BLy
64	614	95.9	249	5	ABP44745	Abp44745 Human BLy
65	614	95.9	249	5	ABP44776	Abp44776 Human BLy
66	614	95.9	249	5	ABP44636	Abp44636 Human BLy
67	614	95.9	249	5	ABP44780	Abp44780 Human BLy
68	614	95.9	249	5	ABP44819	Abp44819 Human BLy
69	614	95.9	249	5	ABP44779	Abp44779 Human BLy
70	614	95.9	249	5	ABP44702	Abp44702 Human BLy
71	614	95.9	249	5	ABP44821	Abp44821 Human BLy
72	614	95.9	249	5	ABP44578	Abp44578 Human BLy
73	614	95.9	249	5	ABP44693	Abp44693 Human BLy
74	614	95.9	249	5	ABP44774	Abp44774 Human BLy
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76	614	95.9	249	5	ABP44782	Abp44782 Human BLy
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78	614	95.9	249	5	ABP44469	Abp44469 Human BLy
79	614	95.9	249	5	ABP44667	Abp44667 Human BLy
80	613	95.8	249	5	ABP44671	Abp44671 Human BLy
81	613	95.8	249	5	ABP44455	Abp44455 Human BLy
82	613	95.8	249	5	ABP44778	Abp44778 Human BLy
83	613	95.8	249	5	ABP44579	Abp44579 Human BLy
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88	612	95.6	249	5	ABP44511	Abp44511 Human BLy
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97	611	95.5	249	5	ABP44737	Abp44737 Human BLy
98	611	95.5	249	5	ABP44521	Abp44521 Human BLy

99	611	95.5	249	5	ABP44634	Abp44634 Human BLy
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114	609	95.2	249	5	ABP44744	Abp44744 Human BLy
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117	608	95.0	249	5	ABP44333	Abp44333 Human BLy
118	608	95.0	249	5	ABP44506	Abp44506 Human BLy
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126	608	95.0	249	5	ABP44339	Abp44339 Human BLy
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128	608	95.0	249	5	ABP44641	Abp44641 Human BLy
129	608	95.0	249	5	ABP44673	Abp44673 Human BLy
130	607	94.8	249	5	ABP44509	Abp44509 Human BLy
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132	607	94.8	249	5	ABP44393	Abp44393 Human BLy
133	607	94.8	249	5	ABP44658	Abp44658 Human BLy
134	607	94.8	249	5	ABP44633	Abp44633 Human BLy
135	607	94.8	249	5	ABP44736	Abp44736 Human BLy
136	607	94.8	249	5	ABP44449	Abp44449 Human BLy
137	607	94.8	249	5	ABP44529	Abp44529 Human BLy
138	607	94.8	249	5	ABP44534	Abp44534 Human BLy
139	607	94.8	249	5	ABP44554	Abp44554 Human BLy
140	607	94.8	249	5	ABP44566	Abp44566 Human BLy
141	607	94.8	249	5	ABP44427	Abp44427 Human BLy
142	607	94.8	249	5	ABP44356	Abp44356 Human BLy
143	607	94.8	249	5	ABP44360	Abp44360 Human BLy
144	607	94.8	249	5	ABP44649	Abp44649 Human BLy
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146	607	94.8	249	5	ABP44565	Abp44565 Human BLy
147	607	94.8	249	5	ABP44352	Abp44352 Human BLy
148	607	94.8	249	5	ABP44508	Abp44508 Human BLy
149	607	94.8	249	5	ABP44595	Abp44595 Human BLy
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151	606	94.7	249	5	ABP44732	Abp44732 Human BLy
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153	606	94.7	249	5	ABP44401	Abp44401 Human BLy
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155	606	94.7	249	5	ABP44448	Abp44448 Human BLy
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163	606	94.7	249	5	ABP44372	Abp44372 Human BLy
164	605	94.5	248	5	ABP44528	Abp44528 Human BLy
165	605	94.5	249	5	ABP44644	Abp44644 Human BLy
166	605	94.5	249	5	ABP44662	Abp44662 Human BLy
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171	605	94.5	249	5	ABP44539	Abp44539 Human BLy
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185	605	94.5	249	5	ABP44594	Abp44594 Human BLy
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187	604	94.4	249	5	ABP44613	Abp44613 Human BLy
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192	604	94.4	249	5	ABP44651	Abp44651 Human BLy
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198	603	94.2	249	5	ABP44647	Abp44647 Human BLy
199	603	94.2	249	5	ABP44491	Abp44491 Human BLy
200	603	94.2	249	5	ABP44581	Abp44581 Human BLy
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203	603	94.2	249	5	ABP44669	Abp44669 Human BLy
204	603	94.2	249	5	ABP44692	Abp44692 Human BLy
205	603	94.2	249	5	ABP44573	Abp44573 Human BLy
206	603	94.2	249	5	ABP44414	Abp44414 Human BLy
207	603	94.2	249	5	ABP44523	Abp44523 Human BLy
208	603	94.2	249	5	ABP44643	Abp44643 Human BLy
209	602	94.1	247	5	ABP44709	Abp44709 Human BLy
210	602	94.1	249	5	ABP44601	Abp44601 Human BLy
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217	602	94.1	249	5	ABP44429	Abp44429 Human BLy
218	602	94.1	249	5	ABP44546	Abp44546 Human BLy
219	602	94.1	249	5	ABP44620	Abp44620 Human BLy
220	602	94.1	249	5	ABP44597	Abp44597 Human BLy
221	602	94.1	249	5	ABP44700	Abp44700 Human BLy
222	602	94.1	249	5	ABP44361	Abp44361 Human BLy
223	602	94.1	249	5	ABP44583	Abp44583 Human BLy
224	602	94.1	249	5	ABP44695	Abp44695 Human BLy
225	602	94.1	249	5	ABP44802	Abp44802 Human BLy
226	602	94.1	249	5	ABP44354	Abp44354 Human BLy
227	602	94.1	249	5	ABP44503	Abp44503 Human BLy
228	602	94.1	249	5	ABP44550	Abp44550 Human BLy
229	602	94.1	249	5	ABP44758	Abp44758 Human BLy
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Search completed: September 10, 2004, 10:26:41
Job time : 77.4872 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 10, 2004, 10:22:05 ; Search time 63.0769 Seconds
(without alignments)
625.345 Million cell updates/sec

Title: US-09-880-748-2_COPY_1_123
Perfect score: 640
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1335176 seqs, 320689617 residues

Total number of hits satisfying chosen parameters: 1036

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 84%
Maximum Match 100%
Listing first 65000 summaries

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13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	640	100.0	246	10	US-09-880-748-928	Sequence 928, App
2	640	100.0	246	12	US-10-293-418-928	Sequence 928, App
3	640	100.0	249	10	US-09-880-748-2	Sequence 2, Appli
4	640	100.0	249	10	US-09-880-748-471	Sequence 471, App
5	640	100.0	249	10	US-09-880-748-479	Sequence 479, App
6	640	100.0	249	10	US-09-880-748-618	Sequence 618, App
7	640	100.0	249	10	US-09-880-748-719	Sequence 719, App
8	640	100.0	249	10	US-09-880-748-796	Sequence 796, App
9	640	100.0	249	12	US-10-293-418-2	Sequence 2, Appli
10	640	100.0	249	12	US-10-293-418-471	Sequence 471, App
11	640	100.0	249	12	US-10-293-418-479	Sequence 479, App
12	640	100.0	249	12	US-10-293-418-618	Sequence 618, App
13	640	100.0	249	12	US-10-293-418-719	Sequence 719, App
14	640	100.0	249	12	US-10-293-418-796	Sequence 796, App
15	637	99.5	246	10	US-09-880-748-1426	Sequence 1426, Ap
16	637	99.5	246	10	US-09-880-748-1781	Sequence 1781, Ap
17	637	99.5	246	12	US-10-293-418-1426	Sequence 1426, Ap
18	637	99.5	246	12	US-10-293-418-1781	Sequence 1781, Ap
19	637	99.5	249	10	US-09-880-748-613	Sequence 613, App
20	637	99.5	249	12	US-10-293-418-613	Sequence 613, App
21	634	99.1	249	10	US-09-880-748-699	Sequence 699, App
22	634	99.1	249	10	US-09-880-748-1748	Sequence 1748, Ap
23	634	99.1	249	12	US-10-293-418-699	Sequence 699, App
24	634	99.1	249	12	US-10-293-418-1748	Sequence 1748, Ap
25	633	98.9	246	10	US-09-880-748-1308	Sequence 1308, Ap
26	633	98.9	246	12	US-10-293-418-1308	Sequence 1308, Ap
27	632	98.8	249	10	US-09-880-748-324	Sequence 324, App
28	632	98.8	249	10	US-09-880-748-688	Sequence 688, App
29	632	98.8	249	12	US-10-293-418-324	Sequence 324, App
30	632	98.8	249	12	US-10-293-418-688	Sequence 688, App
31	631	98.6	246	10	US-09-880-748-1818	Sequence 1818, Ap
32	631	98.6	246	12	US-10-293-418-1818	Sequence 1818, Ap
33	631	98.6	249	10	US-09-880-748-721	Sequence 721, App
34	631	98.6	249	12	US-10-293-418-721	Sequence 721, App
35	626	97.8	249	10	US-09-880-748-786	Sequence 786, App
36	626	97.8	249	10	US-09-880-748-794	Sequence 794, App
37	626	97.8	249	10	US-09-880-748-804	Sequence 804, App
38	626	97.8	249	12	US-10-293-418-786	Sequence 786, App
39	626	97.8	249	12	US-10-293-418-794	Sequence 794, App
40	626	97.8	249	12	US-10-293-418-804	Sequence 804, App
41	623	97.3	249	10	US-09-880-748-325	Sequence 325, App
42	623	97.3	249	10	US-09-880-748-761	Sequence 761, App
43	623	97.3	249	10	US-09-880-748-815	Sequence 815, App
44	623	97.3	249	12	US-10-293-418-325	Sequence 325, App
45	623	97.3	249	12	US-10-293-418-761	Sequence 761, App
46	623	97.3	249	12	US-10-293-418-815	Sequence 815, App
47	621	97.0	249	10	US-09-880-748-322	Sequence 322, App
48	621	97.0	249	10	US-09-880-748-329	Sequence 329, App
49	621	97.0	249	10	US-09-880-748-461	Sequence 461, App
50	621	97.0	249	10	US-09-880-748-744	Sequence 744, App
51	621	97.0	249	10	US-09-880-748-752	Sequence 752, App
52	621	97.0	249	10	US-09-880-748-774	Sequence 774, App
53	621	97.0	249	10	US-09-880-748-792	Sequence 792, App
54	621	97.0	249	10	US-09-880-748-797	Sequence 797, App
55	621	97.0	249	10	US-09-880-748-808	Sequence 808, App
56	621	97.0	249	10	US-09-880-748-811	Sequence 811, App
57	621	97.0	249	10	US-09-880-748-825	Sequence 825, App
58	621	97.0	249	10	US-09-880-748-826	Sequence 826, App
59	621	97.0	249	12	US-10-293-418-322	Sequence 322, App
60	621	97.0	249	12	US-10-293-418-329	Sequence 329, App
61	621	97.0	249	12	US-10-293-418-461	Sequence 461, App
62	621	97.0	249	12	US-10-293-418-744	Sequence 744, App
63	621	97.0	249	12	US-10-293-418-752	Sequence 752, App
64	621	97.0	249	12	US-10-293-418-774	Sequence 774, App
65	621	97.0	249	12	US-10-293-418-792	Sequence 792, App
66	621	97.0	249	12	US-10-293-418-797	Sequence 797, App
67	621	97.0	249	12	US-10-293-418-808	Sequence 808, App
68	621	97.0	249	12	US-10-293-418-811	Sequence 811, App
69	621	97.0	249	12	US-10-293-418-825	Sequence 825, App
70	621	97.0	249	12	US-10-293-418-826	Sequence 826, App
71	620	96.9	249	10	US-09-880-748-533	Sequence 533, App
72	620	96.9	249	10	US-09-880-748-709	Sequence 709, App
73	620	96.9	249	10	US-09-880-748-729	Sequence 729, App
74	620	96.9	249	12	US-10-293-418-533	Sequence 533, App
75	620	96.9	249	12	US-10-293-418-709	Sequence 709, App
76	620	96.9	249	12	US-10-293-418-729	Sequence 729, App
77	619	96.7	249	10	US-09-880-748-798	Sequence 798, App
78	619	96.7	249	10	US-09-880-748-814	Sequence 814, App
79	619	96.7	249	12	US-10-293-418-798	Sequence 798, App
80	619	96.7	249	12	US-10-293-418-814	Sequence 814, App
81	618	96.6	249	10	US-09-880-748-572	Sequence 572, App
82	618	96.6	249	10	US-09-880-748-691	Sequence 691, App
83	618	96.6	249	10	US-09-880-748-698	Sequence 698, App
84	618	96.6	249	10	US-09-880-748-701	Sequence 701, App
85	618	96.6	249	10	US-09-880-748-742	Sequence 742, App
86	618	96.6	249	10	US-09-880-748-788	Sequence 788, App
87	618	96.6	249	12	US-10-293-418-572	Sequence 572, App
88	618	96.6	249	12	US-10-293-418-691	Sequence 691, App

89	618	96.6	249	12	US-10-293-418-698	Sequence 698, App
90	618	96.6	249	12	US-10-293-418-701	Sequence 701, App
91	618	96.6	249	12	US-10-293-418-742	Sequence 742, App
92	618	96.6	249	12	US-10-293-418-788	Sequence 788, App
93	617	96.4	249	10	US-09-880-748-427	Sequence 427, App
94	617	96.4	249	10	US-09-880-748-445	Sequence 445, App
95	617	96.4	249	10	US-09-880-748-650	Sequence 650, App
96	617	96.4	249	10	US-09-880-748-652	Sequence 652, App
97	617	96.4	249	10	US-09-880-748-695	Sequence 695, App
98	617	96.4	249	10	US-09-880-748-773	Sequence 773, App
99	617	96.4	249	10	US-09-880-748-805	Sequence 805, App
100	617	96.4	249	10	US-09-880-748-812	Sequence 812, App
101	617	96.4	249	12	US-10-293-418-427	Sequence 427, App
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105	617	96.4	249	12	US-10-293-418-695	Sequence 695, App
106	617	96.4	249	12	US-10-293-418-773	Sequence 773, App
107	617	96.4	249	12	US-10-293-418-805	Sequence 805, App
108	617	96.4	249	12	US-10-293-418-812	Sequence 812, App
109	616	96.2	249	10	US-09-880-748-321	Sequence 321, App
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111	616	96.2	249	10	US-09-880-748-674	Sequence 674, App
112	616	96.2	249	10	US-09-880-748-770	Sequence 770, App
113	616	96.2	249	10	US-09-880-748-820	Sequence 820, App
114	616	96.2	249	12	US-10-293-418-321	Sequence 321, App
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122	615	96.1	249	10	US-09-880-748-803	Sequence 803, App
123	615	96.1	249	10	US-09-880-748-828	Sequence 828, App
124	615	96.1	249	12	US-10-293-418-583	Sequence 583, App
125	615	96.1	249	12	US-10-293-418-616	Sequence 616, App
126	615	96.1	249	12	US-10-293-418-728	Sequence 728, App
127	615	96.1	249	12	US-10-293-418-803	Sequence 803, App
128	615	96.1	249	12	US-10-293-418-828	Sequence 828, App
129	614	95.9	249	10	US-09-880-748-480	Sequence 480, App
130	614	95.9	249	10	US-09-880-748-568	Sequence 568, App
131	614	95.9	249	10	US-09-880-748-589	Sequence 589, App
132	614	95.9	249	10	US-09-880-748-647	Sequence 647, App
133	614	95.9	249	10	US-09-880-748-678	Sequence 678, App
134	614	95.9	249	10	US-09-880-748-704	Sequence 704, App
135	614	95.9	249	10	US-09-880-748-713	Sequence 713, App
136	614	95.9	249	10	US-09-880-748-756	Sequence 756, App
137	614	95.9	249	10	US-09-880-748-785	Sequence 785, App
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139	614	95.9	249	10	US-09-880-748-790	Sequence 790, App
140	614	95.9	249	10	US-09-880-748-791	Sequence 791, App
141	614	95.9	249	10	US-09-880-748-793	Sequence 793, App
142	614	95.9	249	10	US-09-880-748-807	Sequence 807, App
143	614	95.9	249	10	US-09-880-748-830	Sequence 830, App
144	614	95.9	249	10	US-09-880-748-832	Sequence 832, App
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147	614	95.9	249	12	US-10-293-418-589	Sequence 589, App
148	614	95.9	249	12	US-10-293-418-647	Sequence 647, App
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151	614	95.9	249	12	US-10-293-418-713	Sequence 713, App
152	614	95.9	249	12	US-10-293-418-756	Sequence 756, App
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159	614	95.9	249	12	US-10-293-418-830	Sequence 830, App
160	614	95.9	249	12	US-10-293-418-832	Sequence 832, App
161	613	95.8	249	10	US-09-880-748-326	Sequence 326, App
162	613	95.8	249	10	US-09-880-748-466	Sequence 466, App
163	613	95.8	249	10	US-09-880-748-590	Sequence 590, App
164	613	95.8	249	10	US-09-880-748-681	Sequence 681, App
165	613	95.8	249	10	US-09-880-748-682	Sequence 682, App
166	613	95.8	249	10	US-09-880-748-789	Sequence 789, App
167	613	95.8	249	10	US-09-880-748-823	Sequence 823, App
168	613	95.8	249	12	US-10-293-418-326	Sequence 326, App
169	613	95.8	249	12	US-10-293-418-466	Sequence 466, App
170	613	95.8	249	12	US-10-293-418-590	Sequence 590, App
171	613	95.8	249	12	US-10-293-418-681	Sequence 681, App
172	613	95.8	249	12	US-10-293-418-682	Sequence 682, App
173	613	95.8	249	12	US-10-293-418-789	Sequence 789, App
174	613	95.8	249	12	US-10-293-418-823	Sequence 823, App
175	612	95.6	249	10	US-09-880-748-328	Sequence 328, App
176	612	95.6	249	10	US-09-880-748-415	Sequence 415, App
177	612	95.6	249	10	US-09-880-748-522	Sequence 522, App
178	612	95.6	249	10	US-09-880-748-722	Sequence 722, App
179	612	95.6	249	10	US-09-880-748-725	Sequence 725, App
180	612	95.6	249	10	US-09-880-748-779	Sequence 779, App
181	612	95.6	249	10	US-09-880-748-810	Sequence 810, App
182	612	95.6	249	10	US-09-880-748-817	Sequence 817, App
183	612	95.6	249	12	US-10-293-418-328	Sequence 328, App
184	612	95.6	249	12	US-10-293-418-415	Sequence 415, App
185	612	95.6	249	12	US-10-293-418-522	Sequence 522, App
186	612	95.6	249	12	US-10-293-418-722	Sequence 722, App
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189	612	95.6	249	12	US-10-293-418-810	Sequence 810, App
190	612	95.6	249	12	US-10-293-418-817	Sequence 817, App
191	611	95.5	249	10	US-09-880-748-391	Sequence 391, App
192	611	95.5	249	10	US-09-880-748-498	Sequence 498, App
193	611	95.5	249	10	US-09-880-748-532	Sequence 532, App
194	611	95.5	249	10	US-09-880-748-645	Sequence 645, App
195	611	95.5	249	10	US-09-880-748-730	Sequence 730, App
196	611	95.5	249	10	US-09-880-748-748	Sequence 748, App
197	611	95.5	249	10	US-09-880-748-765	Sequence 765, App
198	611	95.5	249	12	US-10-293-418-391	Sequence 391, App
199	611	95.5	249	12	US-10-293-418-498	Sequence 498, App
200	611	95.5	249	12	US-10-293-418-532	Sequence 532, App
201	611	95.5	249	12	US-10-293-418-645	Sequence 645, App
202	611	95.5	249	12	US-10-293-418-730	Sequence 730, App
203	611	95.5	249	12	US-10-293-418-748	Sequence 748, App
204	611	95.5	249	12	US-10-293-418-765	Sequence 765, App
205	610	95.3	249	10	US-09-880-748-327	Sequence 327, App
206	610	95.3	249	10	US-09-880-748-821	Sequence 821, App
207	610	95.3	249	10	US-09-880-748-827	Sequence 827, App
208	610	95.3	249	12	US-10-293-418-327	Sequence 327, App
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210	610	95.3	249	12	US-10-293-418-827	Sequence 827, App
211	610	95.3	250	10	US-09-880-748-778	Sequence 778, App
212	610	95.3	250	12	US-10-293-418-778	Sequence 778, App
213	609	95.2	249	10	US-09-880-748-424	Sequence 424, App
214	609	95.2	249	10	US-09-880-748-433	Sequence 433, App
215	609	95.2	249	10	US-09-880-748-458	Sequence 458, App
216	609	95.2	249	10	US-09-880-748-490	Sequence 490, App
217	609	95.2	249	10	US-09-880-748-516	Sequence 516, App
218	609	95.2	249	10	US-09-880-748-538	Sequence 538, App
219	609	95.2	249	10	US-09-880-748-716	Sequence 716, App
220	609	95.2	249	10	US-09-880-748-726	Sequence 726, App
221	609	95.2	249	10	US-09-880-748-755	Sequence 755, App
222	609	95.2	249	10	US-09-880-748-776	Sequence 776, App
223	609	95.2	249	12	US-10-293-418-424	Sequence 424, App
224	609	95.2	249	12	US-10-293-418-433	Sequence 433, App
225	609	95.2	249	12	US-10-293-418-458	Sequence 458, App
226	609	95.2	249	12	US-10-293-418-490	Sequence 490, App
227	609	95.2	249	12	US-10-293-418-516	Sequence 516, App
228	609	95.2	249	12	US-10-293-418-538	Sequence 538, App
229	609	95.2	249	12	US-10-293-418-716	Sequence 716, App
230	609	95.2	249	12	US-10-293-418-726	Sequence 726, App
231	609	95.2	249	12	US-10-293-418-755	Sequence 755, App
232	609	95.2	249	12	US-10-293-418-776	Sequence 776, App
233	608	95.0	249	10	US-09-880-748-344	Sequence 344, App
234	608	95.0	249	10	US-09-880-748-350	Sequence 350, App

235	608	95.0	249	10	US-09-880-748-375	Sequence 375, App
236	608	95.0	249	10	US-09-880-748-406	Sequence 406, App
237	608	95.0	249	10	US-09-880-748-455	Sequence 455, App
238	608	95.0	249	10	US-09-880-748-478	Sequence 478, App
239	608	95.0	249	10	US-09-880-748-517	Sequence 517, App
240	608	95.0	249	10	US-09-880-748-569	Sequence 569, App
241	608	95.0	249	10	US-09-880-748-580	Sequence 580, App
242	608	95.0	249	10	US-09-880-748-657	Sequence 657, App
243	608	95.0	249	10	US-09-880-748-664	Sequence 664, App
244	608	95.0	249	10	US-09-880-748-684	Sequence 684, App
245	608	95.0	249	10	US-09-880-748-758	Sequence 758, App
246	608	95.0	249	12	US-10-293-418-344	Sequence 344, App
247	608	95.0	249	12	US-10-293-418-350	Sequence 350, App
248	608	95.0	249	12	US-10-293-418-375	Sequence 375, App
249	608	95.0	249	12	US-10-293-418-406	Sequence 406, App
250	608	95.0	249	12	US-10-293-418-455	Sequence 455, App
251	608	95.0	249	12	US-10-293-418-478	Sequence 478, App
252	608	95.0	249	12	US-10-293-418-517	Sequence 517, App
253	608	95.0	249	12	US-10-293-418-569	Sequence 569, App
254	608	95.0	249	12	US-10-293-418-580	Sequence 580, App
255	608	95.0	249	12	US-10-293-418-657	Sequence 657, App
256	608	95.0	249	12	US-10-293-418-664	Sequence 664, App
257	608	95.0	249	12	US-10-293-418-684	Sequence 684, App
258	608	95.0	249	12	US-10-293-418-758	Sequence 758, App
259	607	94.8	249	10	US-09-880-748-363	Sequence 363, App
260	607	94.8	249	10	US-09-880-748-367	Sequence 367, App
261	607	94.8	249	10	US-09-880-748-371	Sequence 371, App
262	607	94.8	249	10	US-09-880-748-404	Sequence 404, App
263	607	94.8	249	10	US-09-880-748-438	Sequence 438, App
264	607	94.8	249	10	US-09-880-748-460	Sequence 460, App
265	607	94.8	249	10	US-09-880-748-482	Sequence 482, App
266	607	94.8	249	10	US-09-880-748-519	Sequence 519, App
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